



1/15

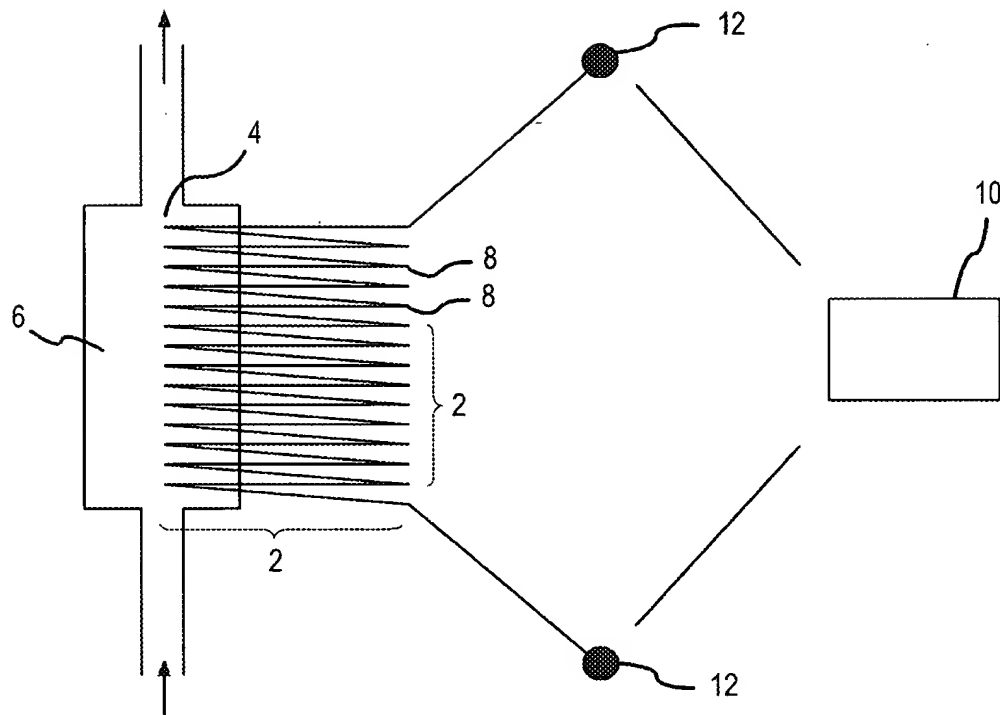
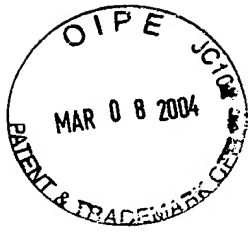


FIG.1



2/15

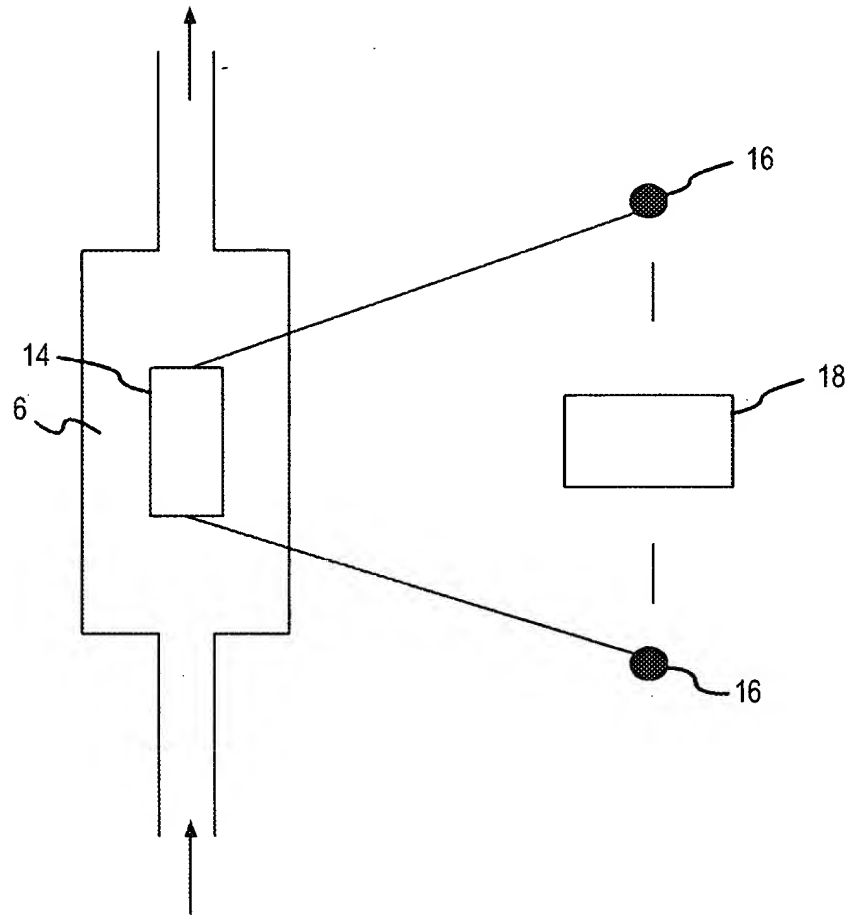


FIG.2



3/15

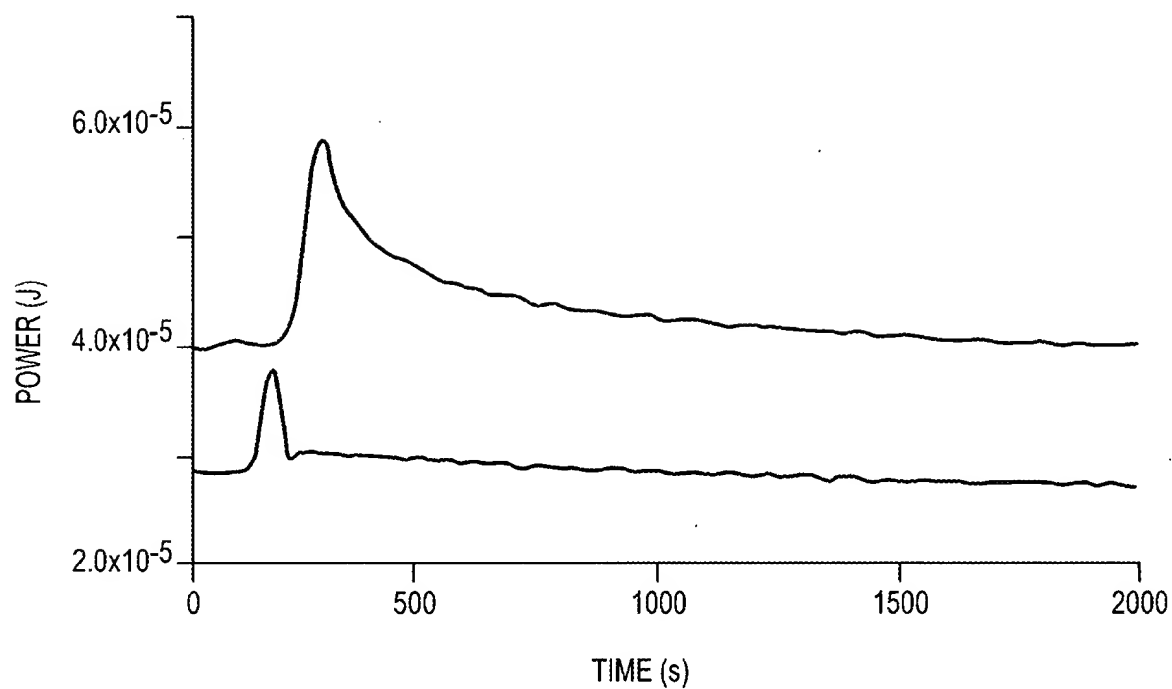


FIG.3



4/15

5' PRIMER
3' TEMPLATE C G G T A A — 5'

dGTP
dCTP

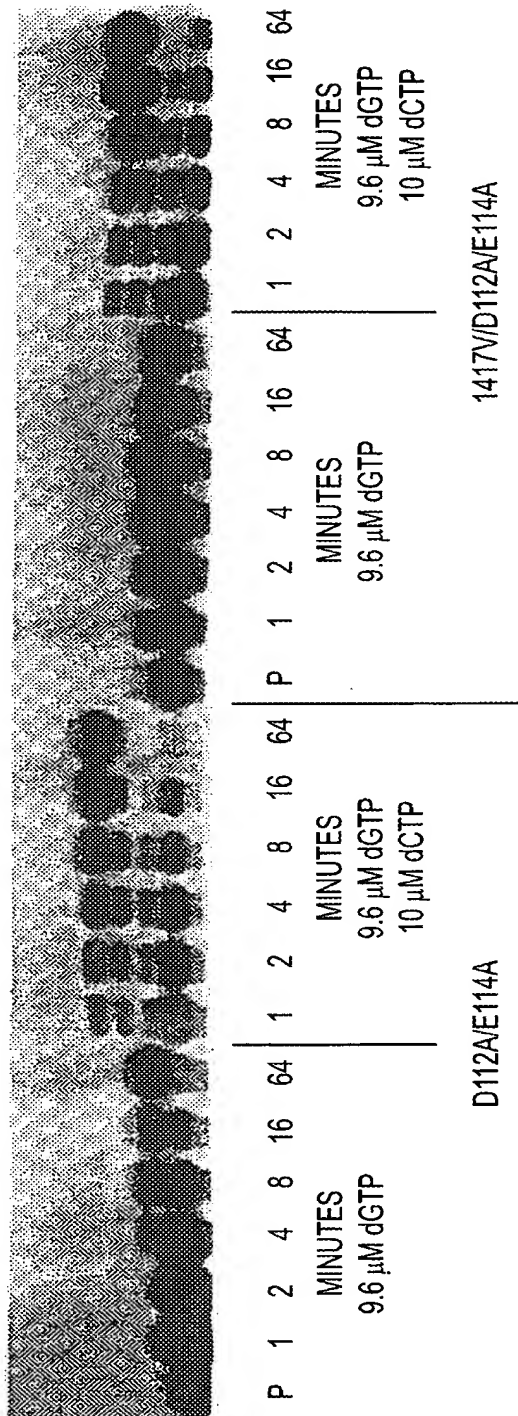
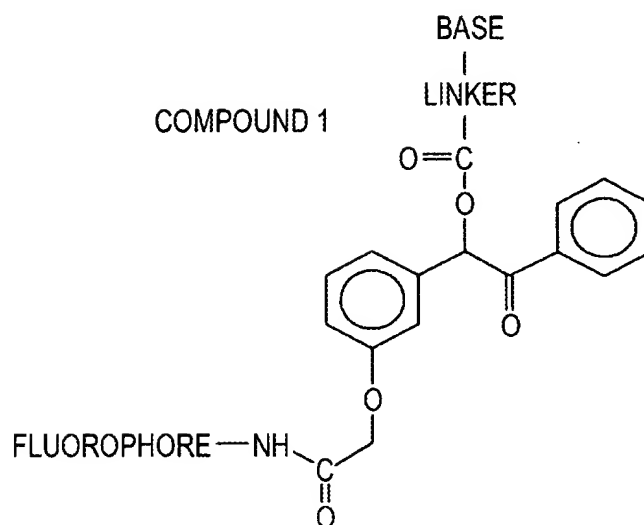
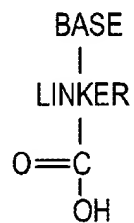


FIG.4

COMPOUND 1



COMPOUND 2



+

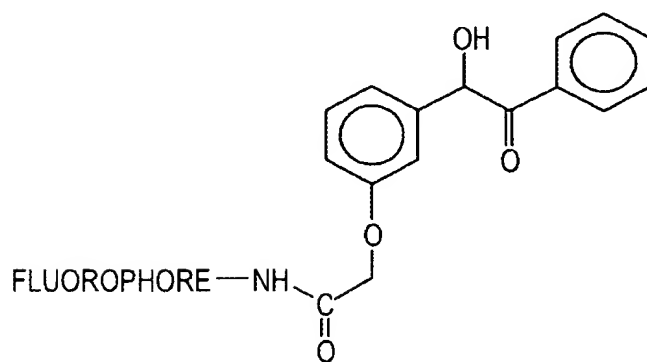


FIG.5



6/15

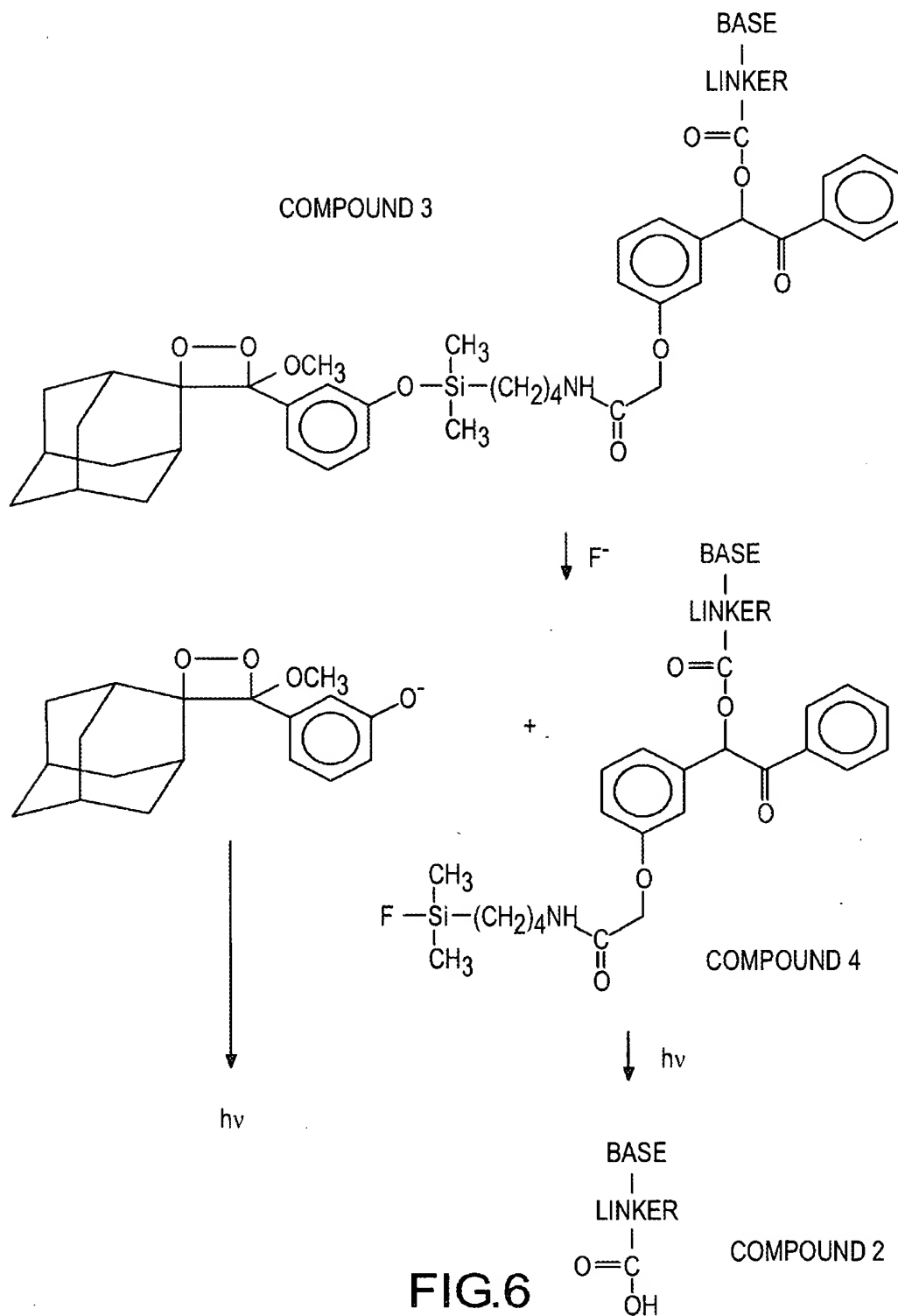
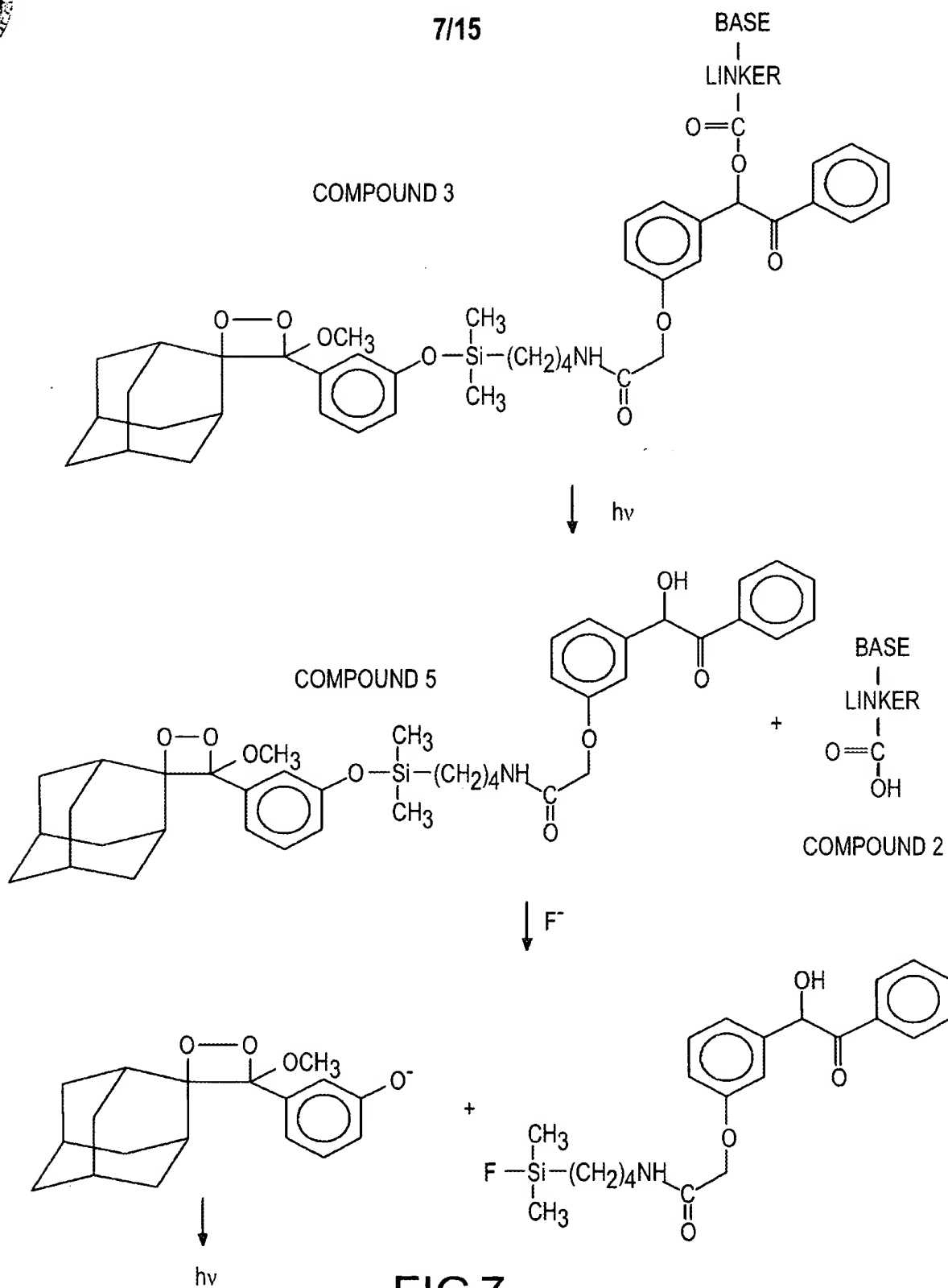


FIG.6



7/15





8/15

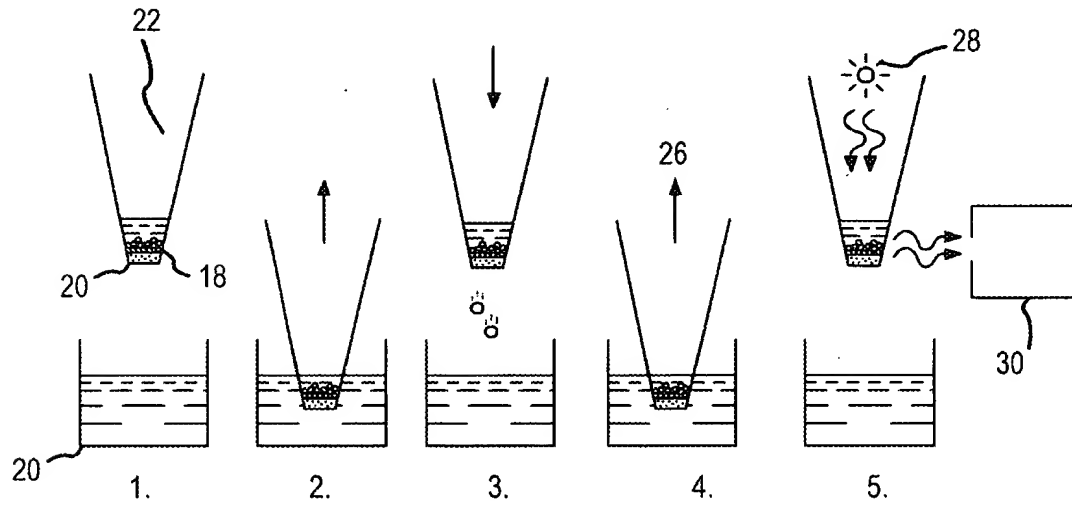


FIG. 8(a)

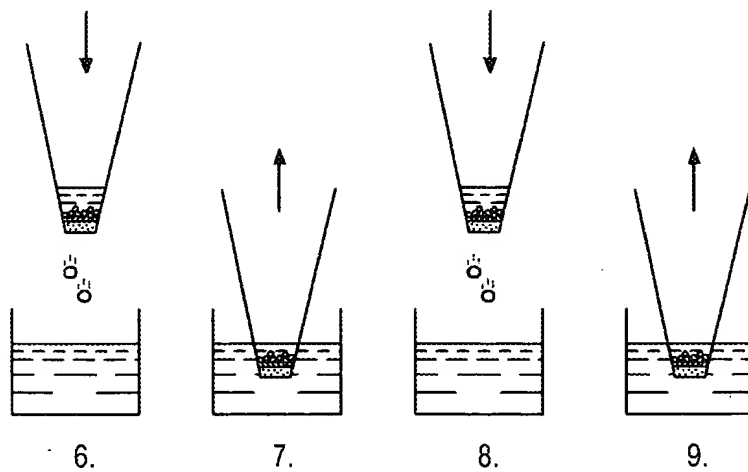


FIG. 8(b)



9/15

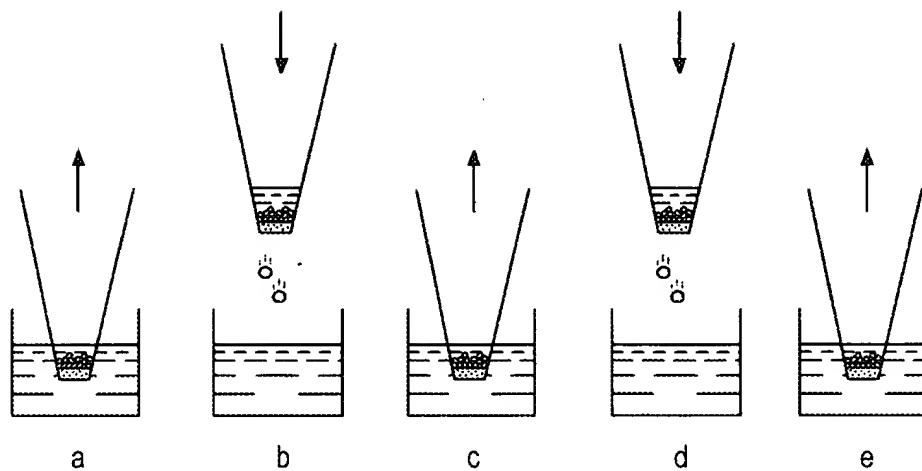


FIG.9



10/15

MECHANISM OF PHOTBLEACHING OF FLUORESCIN BY DPI
(DIPHENYLIODONIUM ION)

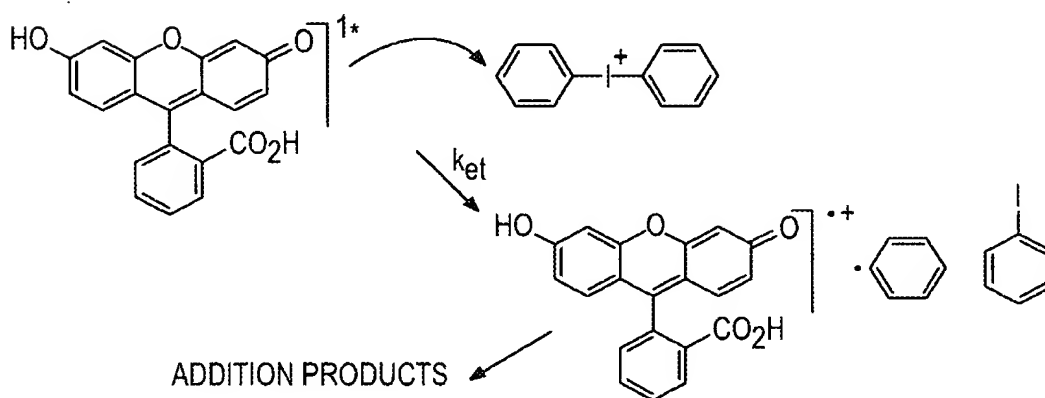
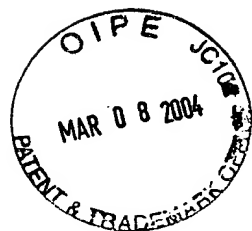
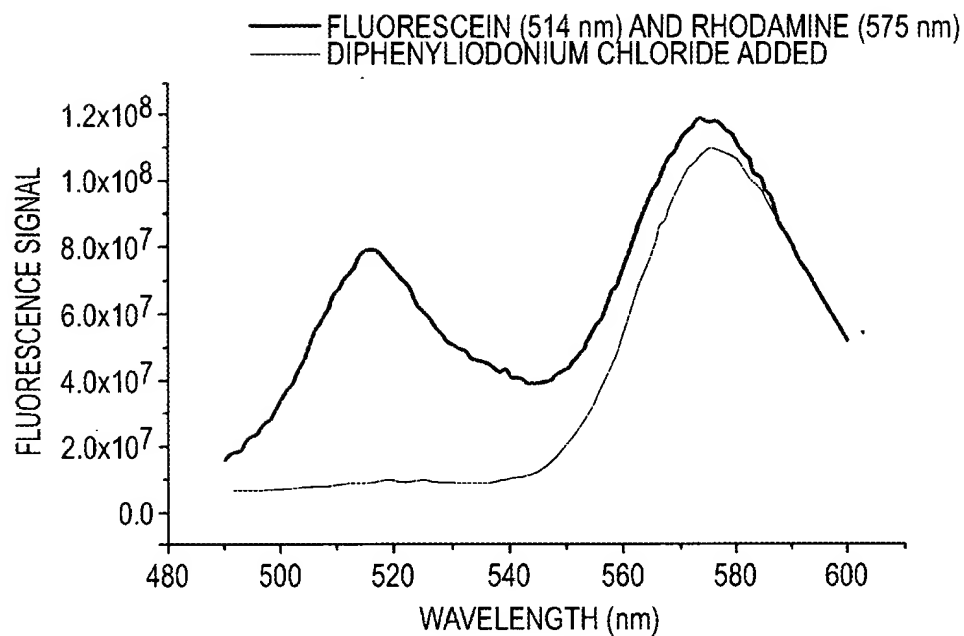


FIG.10



11/15

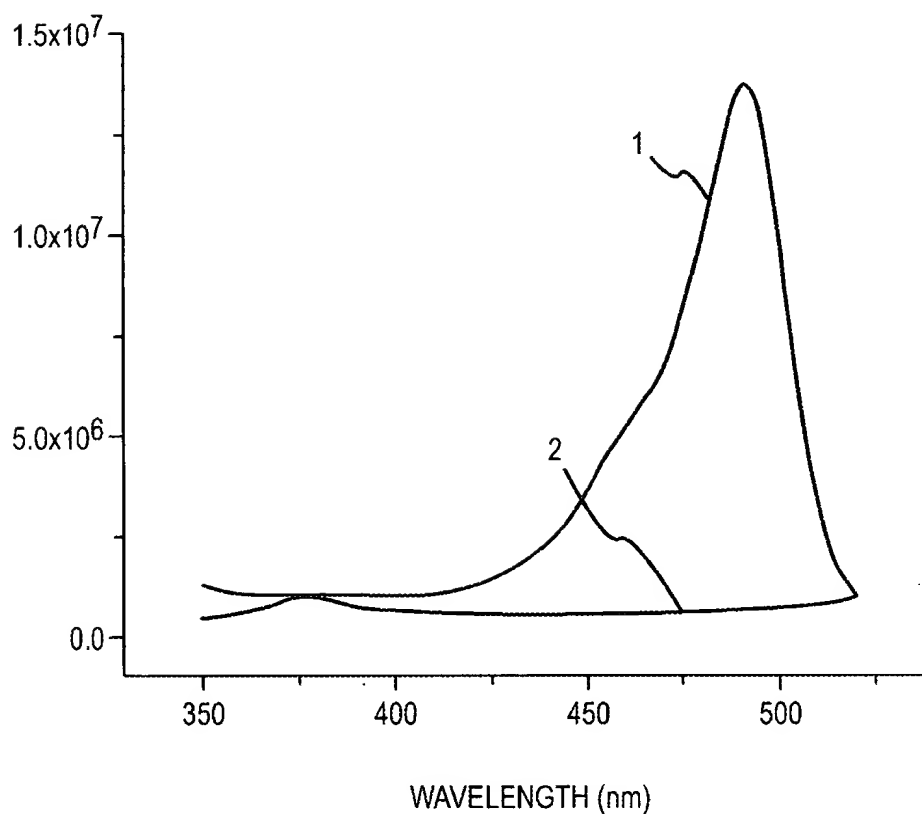


FLUORESCENCE SPECTRA OF EQUIMOLAR FLUORESCCEIN AND TETRA
METHYLRHODAMINE BEFORE AND AFTER ADDITION OF
DIPHENYLIODONIUM CHLORIDE

FIG.11



12/15

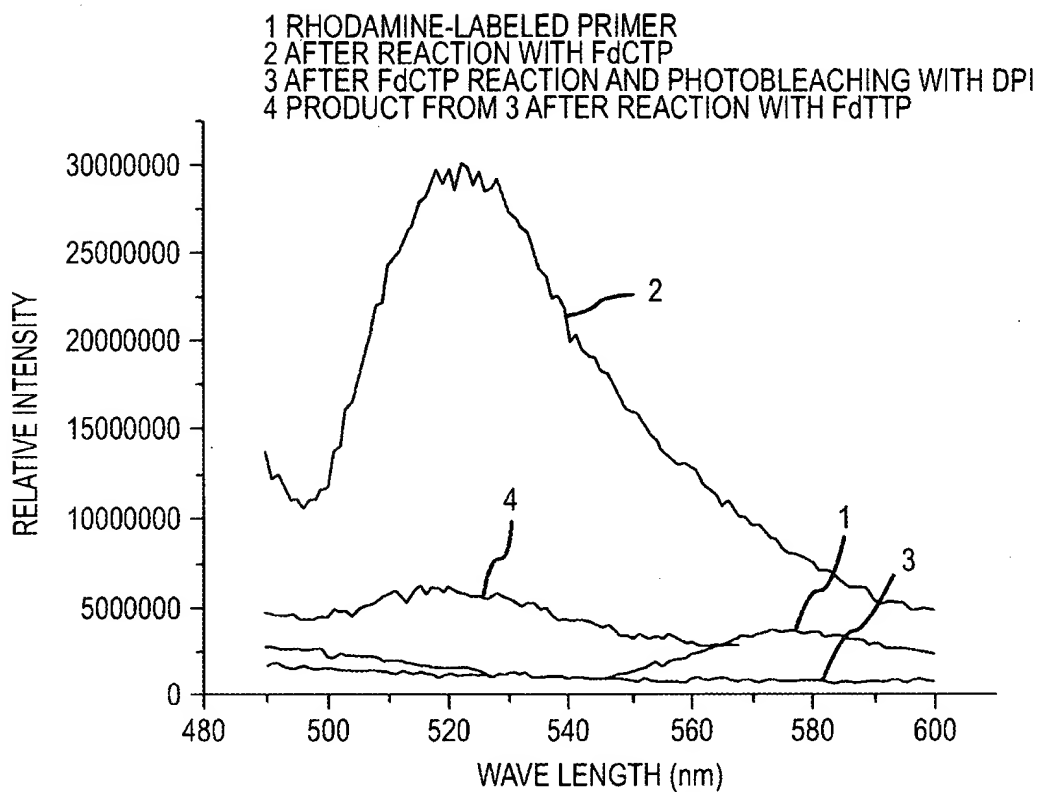


UV ABSORPTION SPECTRA: (1) FLUORESCIN (2) FLUORESCIN +
DPI AFTER SINGLE FLASH FROM CAMERA STROBE

FIG.12



13/15



RESULTS OF SINGLE-NUCLEOTIDE POLYMERASE REACTION WITH DPI
PHOTBLEACHING BETWEEN INCORPORATIONS

FIG.13



14/15



FIG.14B

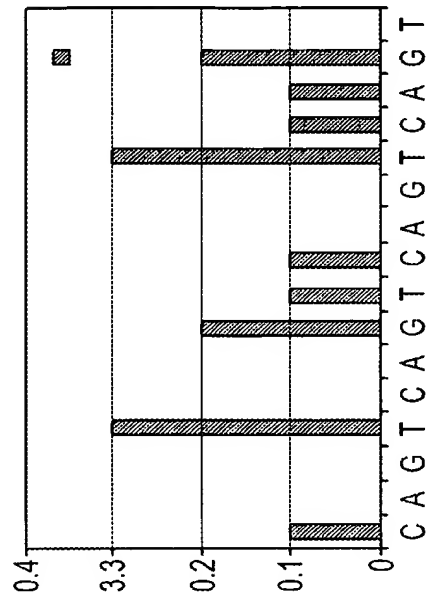


FIG.14D

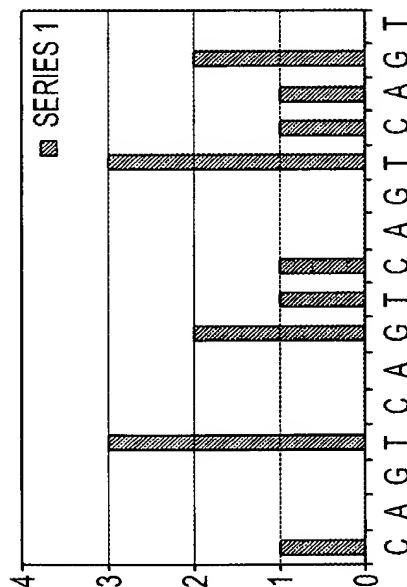


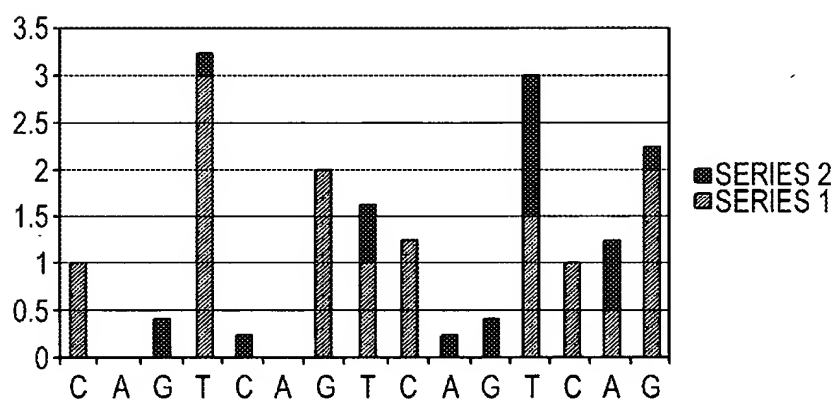
FIG.14A



FIG.14C



15/15



EFFECT OF A LEADING STRAND POPULATION ON
EXTENSION SIGNALS

FIG.15